

Contract CO1: createOffering

Operation: createOffering(lessonName: String, location: Location, time: Schedule, public: Boolean)

Cross References: Sequence Diagram: Process Offerings

Preconditions: - Administrator is logged onto the system

Postconditions: - An id for the new offering is generated and assigned to the new offering instance (attribute modification)
 - An Offering instance o was created (instance creation)
 - o.instructorId was initialized to null
 - Instance o was added to the collection of offerings (association formed)

Contract CO2: selectLesson

Operation: selectLesson(offerId: Integer, instructorId: Integer)

Cross References: Sequence Diagram: Process Offerings

Preconditions: - Instructor is logged onto the system
 - Available offerings are displayed to the system

Postconditions: - System searches offering collection to check if the offering is available
 - o.instructorId is set to instructorId (attribute modification)

Contract CO3: viewOfferings

Operation: viewOfferings()

Cross References: Sequence Diagram: Process Offerings

Preconditions: - A user checks for public offerings
 - The offering must have an assigned instructor (!=null)

Postconditions: - The system displays all available lessons with an assigned instructor